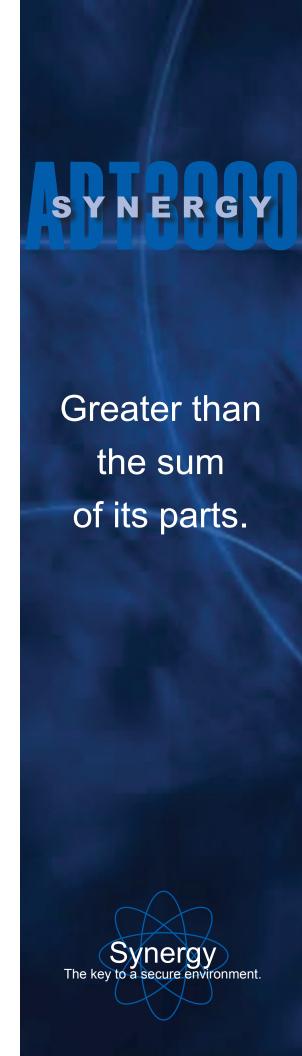


LIFE SAFETY

SECURITY

ACCESS CONTROL

SYSTEM MONITORING & MANAGEMENT





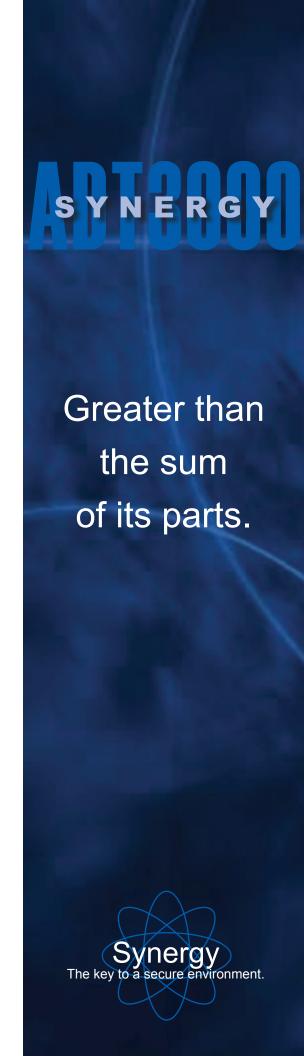
A new dimension of application flexibility...

From pioneering work in multisensor technology, to award winning design breakthroughs, ADT has established itself as the leader in cutting-edge systems technology. Today our name is synonymous with innovation and quality, and we are widely regarded as the company that has achieved some of the most significant advances in our field.

The Synergy concept builds on this long and rich history of success. By extending the architecture of our powerful and sophisticated ADT3000 life safety platform to include security and access control functions, we have once again established an industry benchmark against which multi-function building systems will be measured for many years to come.

Synergy represents the first time security and access control functions have ever been UL-listed to co-exist with fire alarm functions within a common system architecture. No other manufacturer has achieved this level of unity. As a result, only ADT can deliver the cost and performance advantages derived from shared wiring, shared power supplies, shared programming, and shared communications. No patchwork protocols or gateways that bolt one system onto another: Synergy offers the simple elegance of a single control platform unencumbered by needless redundancy.

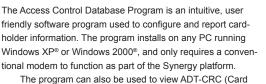
Applying life safety expertise to security and access control functions, ADT has succeeded in elevating the reliability and survivability of these functions to a level only found before among dedicated fire alarm systems. Similarly, by extending ADT3000 architecture to include security and access control functions, this control platform has gained a new dimension of application flexibility. The result is a whole that is far greater than the sum of its parts: true Synergy.



Synergy: its parts



The ADT3000 Control Platform provides the backbone for Synergy life safety, security, and access control functions. Its virtually limitless capacity and unstoppable peer-to-peer network delivers an economy of scale that cuts costs significantly through shared resources and unparalleled application flexibility.



Reader Controller) event logs, and generate a variety of system

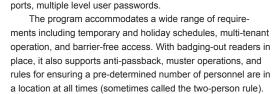
reports. The cardholder database is ODBC compliant and sup-





The 3-MODCOM modem/digital communicator is an ADT3000 local rail module that supplies remote communications services for life safety and security reporting. It functions as both a dialer (DACT), and as a modem.

As a dialer, the 3-MODCOM can be programmed to reach up to 80 different receivers, including central stations and TAP protocol pagers. It also supports split reporting – a feature that selects recipients based on the type of event being reported. As a modern, the 3-MODCOM exchanges database information and Card Reader Controller (ADT-CRC) history logs with users of the Access Control Database program.



All database information is encrypted when transferred to the system from the cardholder database on the user's PC. At the system, encrypted data is received at the control panel by the multi-function modem/dialer (3-MODCOM). Data is then relayed to the ADT-CRC through the 3-SAC Security Access Control card. History information from the ADT-CRC travels back to the user's PC along the same route.



The 3-SAC Security Access Control Module is an ADT3000 local rail module that controls data flow between the Access Control Database, CRCs, the 3-MODCOM, keypads, SIGA-SEC2s and other security components. All this information is also monitored by FireWorks. The 3-SAC circuit can be wired in Class A configuration, a wiring style that dramatically improves system survivability in the event of a fault.

FireWorks is an event-driven software package that provides detailed reporting and control functions for fire, security, access control, and CCTV in one easy-to-use interface. Operating under Windows XP®, FireWorks provides automatic prioritized reporting. Its dynamic context-sensitive four-quadrant display presents the user with clear and unambiguous perspectives that provide at-a-glance details of all system events.





The ADT-MD(S) Passive Infrared Motion Detector is an addressable device that connects to the intelligent data circuit just like any other intelligent device. It requires no additional power or wiring. Coverage pattern is configurable at the device.

The ADT-SEC2 Signature Security Module connects to the

Signature data circuit and provides two circuits for dry contact

security devices such as conventional motion detectors, door

for Normally Open, Normally Closed, Tamper or Maintenance

operation. The ADT-SEC2 does not require any external power.

contacts and pressure mats. Each circuit can be configured

Proximity readers comprise an aesthetically pleasing mix of styles and mounting options. Suitable for indoor and outdoor mounting on walls, mullions, or doorframes, all card readers use proximity technology that eliminates the need for reader adjustments required by swipe-type readers. Rugged sealed polycarbonate construction provides a high degree of vandal resistance, as well as protection from harsh environments. Card readers feature both audible and visual indicators, and models are available with built-in keypads for the added security of PIN entry.



The ADT-KPDISP Keypad/Display allows users to view both fire and security events logged by the system and to execute control functions such as arming, disarming, bypassing, and enabling devices. The display features easy-to-use option menus and built-in Help. It also supports two different languages, which can be programmed to change depending on the password entered. The display connects to the control panel's 3-SAC communications circuit, the same wiring used by Card Reader Controllers.

Proximity access control cards and fobs provide the most convenient access credentials available. To request access, the user simply holds the card or fob in the vicinity of the reader. There is no need to remove the credential from a wallet, a pocket, or unclip it when worn as a badge. The credentials are not affected by body shielding or environmental conditions – even when kept near keys and coins. Cards and fobs feature a highly reliable passive design that requires no batteries. Over 100,000,000 unique codes are available, so there's plenty of capacity to use one card at multiple facilities.





The ADT-CRC Card Reader Controller is installed inside a single doorway and monitors the Weigand output from one or two (ingress/egress) card readers. Reader types can include proximity, mag stripe, bar code, biometric, etc. Accommodating up to 36,000 individual cardholders, the ADT-CRC makes all access decisions. There is no need to communicate with a central processor. This provides a high degree of survivability in the event of a loss of communications with the panel. Meanwhile, its integral standby battery ensures power interruptions will not affect operation.

All Synergy-enabled components are fully listed for life safety, security, and access control

applications.

Each ADT-CRC maintains a history log that can handle up to 20,000 events. The log may be viewed remotely by users of the Access Control Database at any time. The ADT-CRC includes two programmable hardwired loops for door contacts, request-to-exit push buttons and motion detectors.

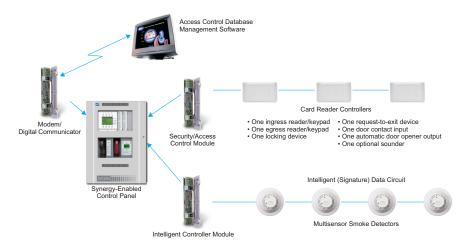


Synergy: the sum of its parts

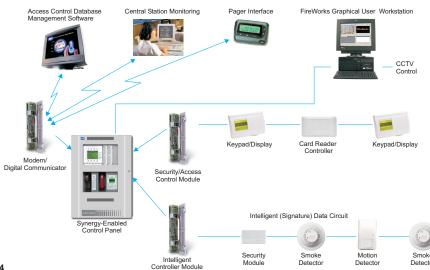
Multiple functions in any combination. Synergy provides a whole that is greater than the sum of its parts \dots



Life Safety and Access Control



Life Safety, Security, and Access Control





Greater than the sum of its parts.





LIFE SAFETY

SECURITY
ACCESS CONTROL
SYSTEM MONITORING & MANAGEMENT

obody knows life safety like ADT. We've been in the business for more than a century. So it comes as no surprise that our flagship life safety platform, the widely acclaimed ADT3000, can be found protecting some of the most valuable buildings on the planet – treasure houses like London's National Gallery and Cairo's Bibliotheca Alexandria; commercial giants like Las Vegas's Luxor Hotel and the MGM Grand; financial centers like Calgary's Bankers Hall; information and technology icons like Intel's microprocessor production plants and U.S. Central Intelligence Agency facilities – all protected by ADT3000 from the potentially devastating effects of fire.

ADT3000 wins bid after bid, not by chance, but by design. Innovative features like its extremely survivable peer-to-peer network have led the field in technological advances, while the cost-cutting benefits of ADT3000's modular configuration demonstrates that high-tech doesn't always mean high-price. In fact, ADT3000 has distinguished itself as the life safety industry's best price/performance buy.

It's easy to see why ... support for the powerful Signature Series line of fire detectors and modules is built into every ADT3000 system, which means your building benefits from distributed intelligence and true multisensor technology. Signature Series detectors provide such a comprehensive range of remote reporting features that they meet NFPA 72 testing requirements without the need for any external equipment. This alone can reduce operating costs significantly, year after year.



Signature

detection.

Series: true multisensor

LIFEI

Property protection you can count on ...

- Engineered by the industry's top life safety innovator
- Best price/performance buy available

Engineered to cut costs ...

- High-efficiency design saves installation and maintenance costs
- Uses existing wiring for most retrofit applications

Flexible, versatile, and reliable ...

- Powerful control and display options
- Supports 2,500 devices per node, 64 nodes per system
- Fast alarm response time
- Supports Signature Series intelligent multisensor detectors
- Eight channels of multiplexed audio



Cost-cutting features are woven into the very fabric of the ADT3000 architecture, making it a favorite among building owners and property managers everywhere. All control panels are assembled in layers that swing out for easy access; key components feature removable terminal blocks and simple plug-in connectors; and, its modular design means every ADT3000 system is simple to maintain and can easily keep pace with even the most radical changes to building floor plans – efficiently and cost-effectively.

ADT3000's high-efficiency design includes panels and annunciators that provide simple yet powerful control and display in any situation. Finger-

tip operation and intuitive feedback present the big picture whether the user is in the midst of a crisis, or simply performing routine maintenance. Meanwhile, the FireWorks PC-based graphical interface, with its unique four-quadrant display, adds a new dimension to ADT3000 control: interactive site maps; context-sensitive instructions; even CCTV capabilities.



Plug-in I/O modules: convenient and economical.



Genesis: Awardwinning signaling appliances.

There is virtually no limit to what ADT3000 can do. In fact, there has yet to be a structure built that can force this system to the wall. ADT3000 is designed to handle up to 160,000 devices residing on 64 nodes communicating over network wiring. And because ADT3000 supports a full eight channels of multiplexed digital audio, there's also plenty of capacity to handle communications: firefighters, emergency response

personnel, and building occupants can all keep in touch when seconds count and information saves lives.

Decision-makers the world over trust the power and performance of ADT3000 to protect their buildings. Your building's occupants deserve nothing less. Contact your local ADT representative today.





ADT3000 and FireWorks graphics: power and flexibility.



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LIFE SAFETY

SECURITY

ACCESS CONTROL
SYSTEM MONITORING & MANAGEMENT

or more than a century, ADT has been the leading developer of products that protect people and property. Today we are responsible for some of the most dramatic developments ever accomplished in the field of systems control and communication.

Before Synergy-enabled ADT3000, listing agencies required that fire detection and security functions remain separate building elements. We tackled this regulatory bottleneck from a whole new angle: by demonstrating that all equipment – security, life safety, and access control – can perform to the same high standards of reliability and survivability. The impact of this development on the way buildings are protected cannot be underestimated.

Consider the huge cost benefits of motion sensors sharing the same wiring and power supplies as smoke detectors; the efficiency of a single point of monitoring and control for both security and fire alarm functions. Consider the effectiveness of using integrated audio to assist occupants during a fire – and deter intruders during a breach of security, and consider the flexibility of program-

ming life safety and security functions with a single tool. Only Synergy can deliver the cost benefits of shared resources while at the same time retaining autonomy among functions – ensuring that there is no compromise when it comes to security or life safety performance.



Dual-purpose fire and security display conceals a backlit keypad behind its cover.

SECURITY

Building security you can count on ...

- Engineered with the accumulated experience of more than a century in property protection
- Fully listed for security, access control, and fire applications
- Unprecedented security survivability

Engineered to cut costs ...

- Shared wiring, power and programming among security, life safety and access control functions
- Uses existing wiring for most retrofit applications

Flexible, versatile, and reliable ...

- True multi-function system architecture shares security, fire, and access control resources
- Unlimited users per ADT3000 network
- Powerful control and display options
- Eight channels of integrated audio

Fully UL Certified ...

- Local Mercantile Grade A Premises
- Police Station Connect Grade A with basic line security
- Central Station Grade A, B, and C
- Holdup Alarm



The monitoring and management power of Synergy-enabled ADT3000 is equally extraordinary. With the ModCom Digital Communicator you get central station, pager, and dial-up communications in one flexible package. Locally, the innovative Keypad Display provides notifi-

cation of security events, is used to arm and disarm security partitions, and even doubles as a fire alarm remote annunciator. Meanwhile, the FireWorks Graphical Interface acts as a single point of monitoring and control that maps a vivid and detailed picture of your facility's status right down to the individual device – in real time.

The ADT-MD(S) passive infra-red motion detector shares wiring, communications, and power with

Signature Series smoke and heat detectors.

Survivability of the security function under Synergy is second to none, thanks to ADT3000's

unstoppable peer-to-peer network. Engineered to endure raging fires and other catastrophic events, this network distributes communications responsibility among all its nodes, ensuring that system-wide fire and security functions will not be affected by isolated equipment failures.

The versatility of the ADT3000 network has enormous retrofit potential, dramatically cutting installation costs and putting powerful security fea-



The tiny ADT-SEC2 dual input security module resides on the Signature data loop and supports two dry-contact security circuits.

tures within reach of even the smallest budget. Upgrade an existing ADT3000 network node to include security functions by simply adding a single module at the control panel and installing devices such as motion detectors and security modules on existing wiring. Add central monitoring and off-premise communication for both fire and security with another module. Include the FireWorks graphical interface to tie it all together with CCTV support ADT3000 and FireWorks graph- and the system is confibilities. No extensive rewiring; no

need to replace the control panel!

Whether it's a new installation or the expansion of an existing system, ADT3000 security merges the best technologies of two fields into a powerful blend of performance and reliability – more powerful than either fire or security individually. We call that Synergy.







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LIFE SAFETY SECURITY

ACCESS CONTROL

SYSTEM MONITORING & MANAGEMENT

ho went where and when." It may be the familiar rallying cry in access control circles, but at ADT we can do better. Much better.

Here's why: we have successfully merged the infrastructure and inherent survivability of a life safety system with the power and functionality of advanced access control technology. To accomplish this we demonstrated to approval agencies that our access control equipment meets, not only access control standards, but also some of the most stringent performance requirements ever devised: fire alarm standards. As a result, ADT is the only manufacturer that can deliver the kind of benefits found in the Synergy-enabled ADT3000 platform

with access control.

Synergy means the seamless interaction of life safety and security functions with access control activities. It means you gain all the advantages of shared resources, shared programming, and shared communications.

And that can mean the difference between a major expense and a cost-effective, highly efficient access control solution.

Synergy-enabled ADT3000 also delivers some of the most sophisticated, feature-rich access control equipment available. For example, all

access decisions are made in the field by ADT card reader controllers. This not only speeds response, it also makes a much more survivable system: one that remains fully functional during fault condi-



The powerful and intuitive ACDB program provides all the tools for comprehensive and effective access control management.

ACCESS

Access control you can count on ...

- Engineered with the accumulated experience of more than a century in property protection
- Fully listed for access control, fire, and security applications
- Unprecedented access control survivability

Engineered to cut costs ...

- Unique multiple tenant operation does not require a central server
- True multi-function system shares programming, power supplies, cabinets and batteries with fire and security functions
- Uses existing wiring for most retrofit applications
- Powerful networkable database program does not require a dedicated PC

Flexible, versatile, and reliable ...

- Compatible with any industry-standard Weigand interface
- Simple scheduling options
- Use card readers to disarm security partitions
- Compatible with LAN , WAN and dialup protocols





tions; one that is virtually immune to communication losses and even power failures, thanks to on-board backup batteries. Compatible with any card reader that provides Wiegand outputs, our card reader controllers are ideal for retrofits and expansions.

The Access Control Database (ACDB), the centerpiece of Synergy access control, is an extremely powerful Windows® program that provides all the tools for a comprehensive access control plan. From anti-passback safeguards, to two-person rules, to escort-required procedures and extensive scheduling options, the ACDB is easy to use and simple to customize. Grant barrier-free privileges to a disabled cardholder by selecting a single checkbox. Change access

levels with the click of the mouse. Even assign multiple

ADT access credentials support 100,000,000 unique codes. This means you can use a single

card in multiple facilities

access levels to a single cardholder. The ACDB can track and manage any schedule, any pattern of access that building occupants can generate.

The ACDB keeps costs down by eliminating the need for a dedicated PC, and multiple users can share the database over any typical LAN, WAN, or modem, whether they're down the hall or across the globe. Locally,



The Card Reader Controller monitors entry and exit readers for a single door, storing access data on up to 36,000 cardholders.

the ACDB supports multiple tenant operations that allow individual leaseholders to manage their own database of cardholders. These databases provide control over tenant-controlled private areas, as well as common areas shared by all tenants.

Synergy-enabled ADT3000 with access control represents a breakthrough in system design that delivers much more than a separate life safety

or access control system. Sharing a common backbone, these functions benefit from an economy of scale that just can't be beat. Add ADT3000 security capability and you have an unprecedented degree of unity that will cut costs even further, while delivering the most advanced system technology available. We call that Synergy. And it's only available from ADT. Contact us today.

ADT3000 and FireWorks graphics: power and flexibility for monitoring your access events.







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LIFE SAFETY SECURITY ACCESS CONTROL

SYSTEM MONITORING & MANAGEMENT

Somewhere, in a quiet uninhabited corner of your building, a smoke detector goes into alarm. Within seconds a motion detector follows suit. Somewhere else an electrical current suddenly changes polarity. Horns begin to sound, strobes flash. A dialer makes an automatic call to the central monitoring station. Other circuits energize.

In a typical emergency situation, hundreds of events like these unfold system-wide in a matter of seconds. Individually they hold little meaning. Together they can overwhelm even the most seasoned operator. But from the right perspective they coalesce

into a vivid picture of precisely what is happening, and most importantly, how best to respond.

FireWorks strikes that delicate balance between too much information and not enough. It is the lens that brings cascading events from thousands of points into sharp focus. It is the tool that helps your personnel make sense of what is happening and get the information that's needed for swift, decisive, and effective action.

By merging the very latest design technology with the most innovative life safety, security, and access control systems that have ever come to market, FireWorks delivers a highly effective, yet surprisingly simple means of monitoring and control for your building systems. Its unique four-quadrant display pinpoints relevant event

details while keeping the big picture in plain view. And its familiar Windows® interface presents a clean, intuitive means of information retrieval and control.



Monitoring and management you can count on ...

- Engineered by the industry's top life safety innovator
- Delivers the power of a sophisticated security system merged with the survivability of a proven life safety performer

Engineered to cut costs ...

- Available software-only versionsno expensive hardware to buy
- Supported by single or multi-line networks
- Provides a single, efficient point of control and monitoring for fire, security, CCTV and access control applications

Flexible, versatile, and reliable ...

- Listed for fire, security and access control
- Event-driven, nothing left to chance
- All events are automatically prioritized
- Supports a wide range of importable graphic formats
- Automatically displays event-specific, context-sensitive messages





FireWorks:

Transforming information into action.



In one tightly-knit package,
FireWorks delivers
the mechanism for
effective emergency
response, and the
administrative tools
for efficient building
system management.



FireWorks' unique four-quadrant display pinpoints relevant event details while keeping the big picture in plain view.

Map Quadrant



The FireWorks Map Quadrant graphically represents – either by photograph, or floorplan – precisely where in your facility emergency events are taking place. With a mouse click, your FireWorks operator can instantly zoom in to any level of detail, or zoom out to get an instant grasp of how the situation is unfolding.

Image Quadrant



In this quadrant your FireWorks operator will find a photo and description concerning a selected device, or an image of the area where the event is occurring. With a CCTV interface, FireWorks even provides on-screen control and real-time display from video cameras showing precisely what's happening at the scene.

Event List Quadrant



A single emergency can generate hundreds of events. The Event List Quadrant is where your FireWorks operator makes sense of it all. Here each event is sorted by priority, color coded by type, and displayed in plain language. Selecting an event from this screen automatically displays supporting information in the other three quadrants.

Actual screens and operation may vary, depending on system configuration.

Because FireWorks is event-driven, your personnel will never find themselves abandoned by technology just when it's needed most. FireWorks automatically prioritizes all system events so that the most urgent information is always front-and-center. It also keeps pace with your operator by constantly updating the content of adjacent display quadrants with information relevant to the currently selected event. As the situation unfolds, your operator is never more than a glance away from important, context-sensitive information necessary to bring the matter to a speedy and effective conclusion.

Nor is your operator ever far away from the people who need to know what's going on. Thanks to the ability to communicate to an SMTP email server, event details are automatically shared via email with everyone on the FireWorks event distribution list. This not only allows building maintenance personel to keep tabs on how the system is performing on a day-to-day basis, but also provides critical information to in-house support personnel as they assist the FireWorks operator with a timely response to an unexpected event.

Under the hood FireWorks is equally innovative. A true engineering breakthrough that casts off limiting factors of the past, it is fully listed for use, not just for fire, but for security and access control functions as well. Using the latest Windows XP® operating system and FireWorks software, your life safety control merges

seamlessly with other building systems. The payoff: unprecedented flexibility, lightning speed, and virtually limitless application potential.

With Synergy-enabled ADT3000, FireWorks blends life safety, security CCTV, and access control functions within its unique four-quadrant display. Events concerning all enabled functions display within the common interface and are managed using the same procedures. This ensures that control remains intuitive, regardless of the type of event or action.

The possibilities are truly endless. Your FireWorks operator has full control of your building: instantly accessing important details concerning any system event – right down to the individual device; acknowledging events with the click of a mouse; and issuing control commands with split-second timing. Meanwhile, FireWorks acts dynamically with the operator, automatically displaying details about changing conditions and site-specific factors that determine the most effective response to the situation at hand.

When used to blend multiple building functions into a single point of monitoring and control, the true power of FireWorks becomes readily apparent. Without leaving their workstation your personnel can concurrently monitor the status of smoke, heat, and motion detectors. With FireWorks-controlled CCTV cameras, they can safely get a first glimpse of fire alarm

Event Action Quadrant



This quadrant equips your FireWorks operator with instructions on how to respond to any selected event, along with details concerning hazards present in the associated location. Here, an authorized operator acknowledges events, logs responses, and can even operate common controls such as Alarm Silence and Reset.

Control for security functions



FireWorks not only provides a common framework for control and monitoring, it also offers dedicated control for security functions. From within FireWorks, security partitions can be armed and disarmed, and security partition reports can be generated.

Access to cardholder information



Seeing is believing: In the FireWorks image quadrant your operator can use CCTV, along with your ADT access control system, to monitor suspected unauthorized entry to your building. At a glance they'll know if the person attempting to gain access really is who the access credential says they are.

and security situations – so they know exactly what to expect when they arrive on the scene.

FireWorks can also act as a conduit, bringing several building functions into a single point of monitoring and control. For example, a campus-style installation with separate systems in each building will benefit enormously from FireWorks' ability to act centrally as a virtual command center for all fire alarm and security activities. Similarly, a partially retrofitted building can continue to use both old and new control panels while operating as a single system under FireWorks. This has the potential to extend the life of existing equipment and avoid costly all-or-nothing retrofit projects.

FireWorks isn't just about emergency response either. It's also a valuable preventative maintenance tool that saves time and money. Using FireWorks, your personnel will quickly retrieve system reports such as detector sensitivity, disabled devices, and system history – all in a format that provides the information you need to manage your facility efficiently and cost-effectively.

As a management tool, FireWorks prevents unwanted alarms by allowing any authorized user to disable affected devices during construction, renovations, or other anticipated activities that could compromise accurate system response. Its powerful logging function also provides an efficient means of tracking system events and the actions taken in response to them.

Sophisticated technology doesn't cause information overload. Poorly designed interfaces do. In an emergency situation your personnel need more than information. They need a solid understanding of the situation: a roadmap that provides context and points them towards effective action.

FireWorks sheds light precisely where it's needed – when it's needed – without the blinding glare of too much information to distract your staff from the tasks at hand. Anything less risks leaving even your best-trained operator frozen in the headlights of a runaway crisis. And when lives and valuable property hang in the balance, that's a risk you simply can't afford.

ADT3000 and FireWorks graphics: the survivability of a proven life safety performer merged with the most powerful monitoring and management capabilities available.







